SAMSUNG

USER'S MANUAL

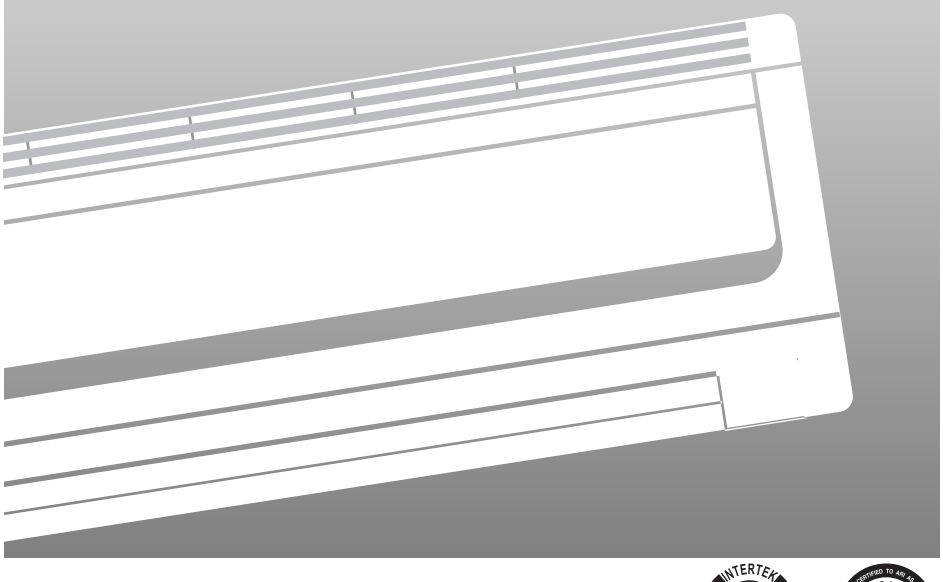
AQV09J✳ Series
AQV12J✳ Series
AQV18J✳ Series
AQV24J✳ Series

ENGLISH

ESPAÑOL

FRANÇAIS

Split-type Air Conditioner
(Cooling and Heating)



Ⓔ Ⓢ Ⓕ DB98-27555A(1)

Register your product at www.samsung.com/global/register

Safety Precautions

You should take the following safety precautions when using your air conditioner.

WARNING

- If you don't follow the safety precautions, you may get the risk of an electric shock, injury or death.
- The manufacturer or qualified service personnel must install this air conditioner.
- Unplug the electric power before repairing, installing or cleaning.

During operation

- Do not repair the air conditioner at your discretion.
  It is recommended to contact a service center directly.
- Never spill any kind of liquid on the air conditioner.
  If this happens, unplug or turn off the air conditioner and contact an authorized service center.
- Do not insert anything between the airflow blades to prevent damage of the inner fan and consequent injury. Keep children away from the air conditioner.
- Do not place any obstacles in front of the air conditioner.
- Do not spray any kind of liquid into the indoor unit. If this happens, turn off the breaker and contact a service center.
- Make sure that the air conditioner is well ventilated at all times:
  Do not place a cloth or other materials over it.
- Remove the batteries if you don't use the remote control for a long time. (If applicable)
- Use the remote control within 23ft(7m) from the indoor unit. (If applicable)

Disposing of the unit

- Before throwing out the air conditioner, remove the batteries from the remote control.
- When you dispose of the air conditioner, consult your dealer. If pipes are removed incorrectly, refrigerant may blow out and cause air pollution. When it contacts with your skin, it can cause skin injury.
- The package of the air conditioner should be recycled or disposed properly for environmental reasons.

Others

- Never store or load the air conditioner upside down or sideways to prevent the damage of the compressor.
- Young children or infirm persons should be always supervised when they use the air conditioner.
- Max current is measured according to IEC standard for safety.
- Current is measured according to ISO standard for energy efficiency.

© Samsung Electronics Co., Ltd. All Rights Reserved.

Contents

◆ **PREPARATION**
- ■ Safety Precautions 2
- ■ Name of Each Part 4
- ■ Remote Control-Buttons and Display 6
- ■ Inserting the Remote Control Batteries 7
- ■ Getting Start 8

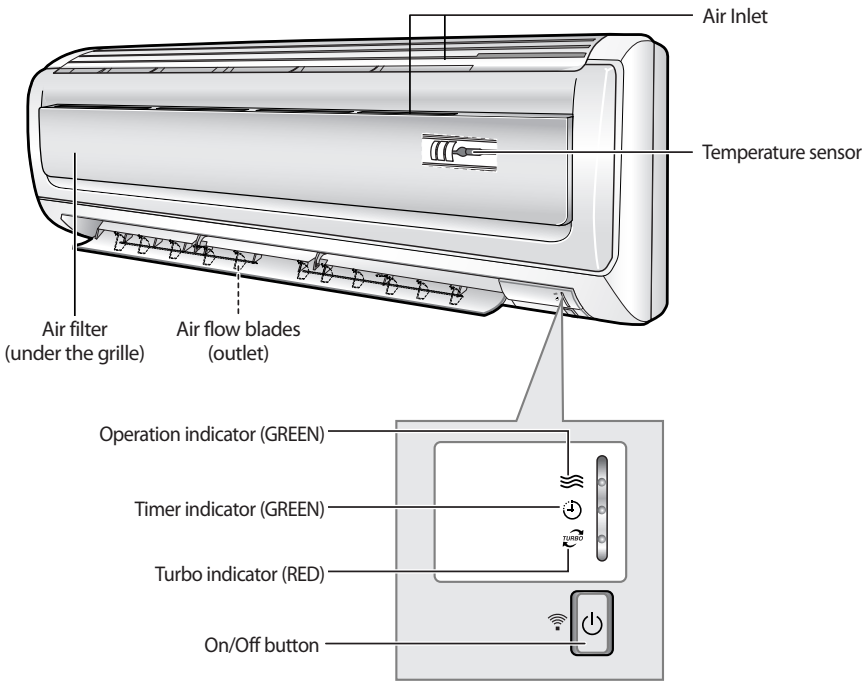
◆ **OPERATION**
- ■ Selecting the Auto Mode 9
- ■ Selecting the Cool Mode 10
- ■ Selecting the Heat Mode 11
- ■ Selecting the Dry Mode 12
- ■ Selecting the Fan Mode 13
- ■ Selecting the Turbo Function 14
- ■ Selecting the Energy Saving Function 15
- ■ Adjusting the Airflow Direction Vertically 16
- ■ Adjusting the Airflow Direction Horizontally 16
- ■ Setting the 1 Hour Timer 17
- ■ Setting the On Timer 18
- ■ Setting the Off Timer 19
- ■ Selecting Good Sleep Mode 20

◆ **RECOMMENDATIONS FOR USE**
- ■ Operating Recommendations 22
- ■ Temperature and Humidity Ranges 23
- ■ Operating Your Air Conditioner Without the Remote Control 23
- ■ Troubleshooting Guide 24
- ■ Cleaning Your Air Conditioner 25
- ■ Cleaning Deodorizing and Bio Filter (Option) 25

Name of Each Part

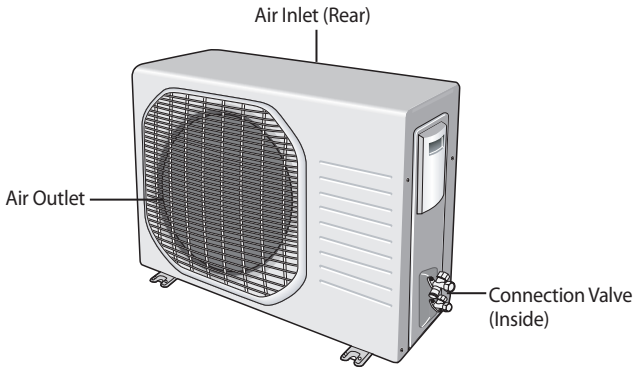
The design and shape can be changed according to the model.

Indoor Unit



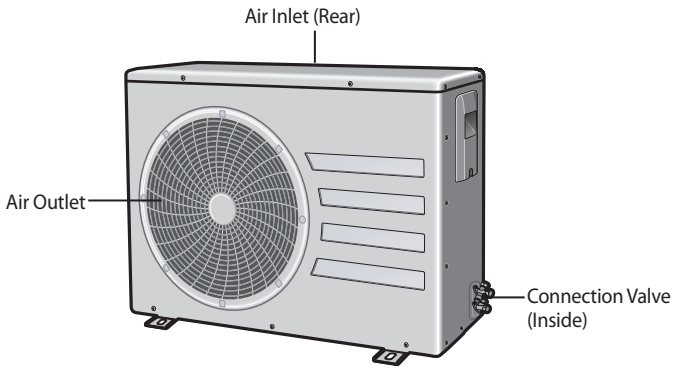
Outdoor Unit

AQV09J✳ Series
AQV12J✳ Series

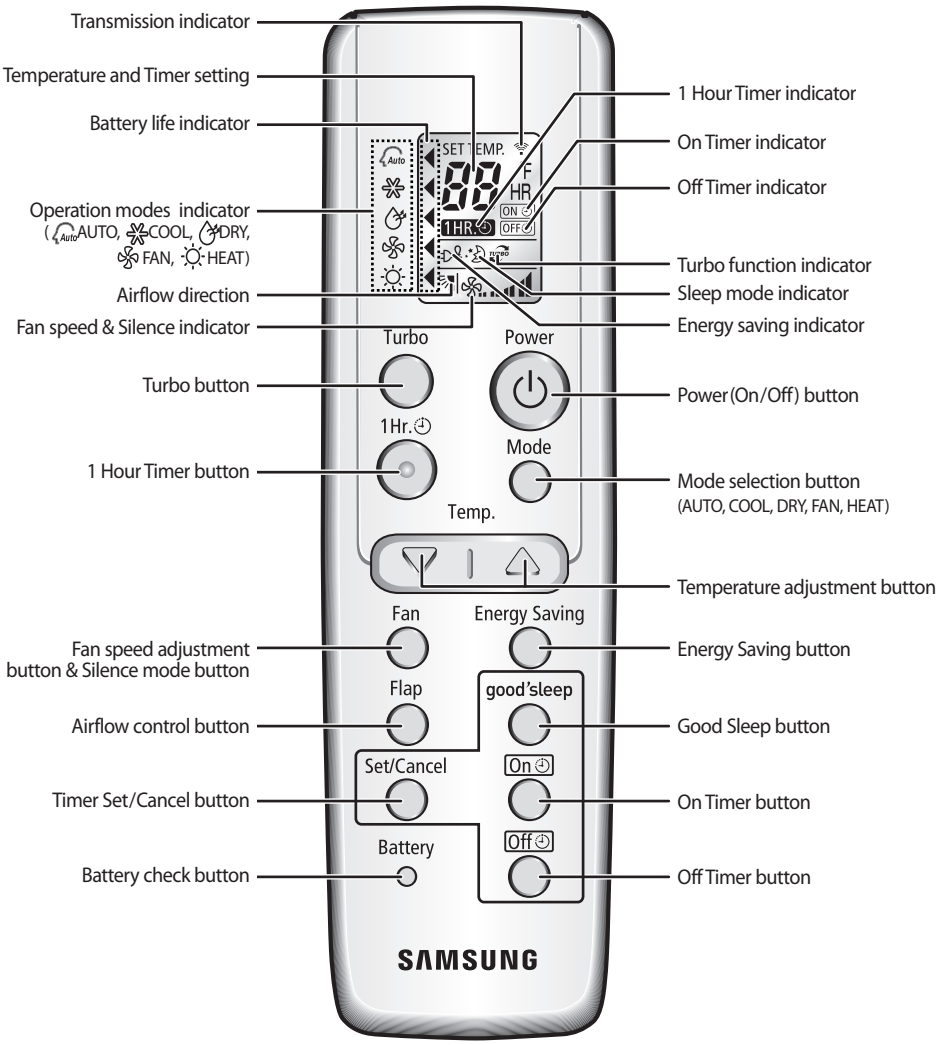


Outdoor Unit

AQV18J✳ Series
AQV24J✳ Series



Remote Control-Buttons and Display



Note

- Each mode indicator shows the current setting and the battery life.
- You can check the battery life by pressing the Battery button.
- The number of the battery life indicator means the remaining battery life. Replace the batteries when only one battery life indicator remains.

Inserting the Remote Control Batteries

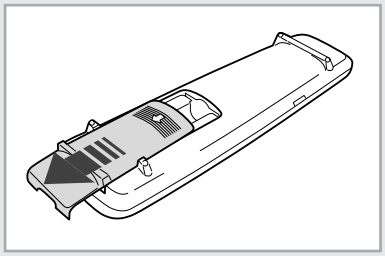
You must insert or replace the remote control batteries when :

- ◆ ***You purchase the air conditioner***
- ◆ ***The remote control does not work correctly***

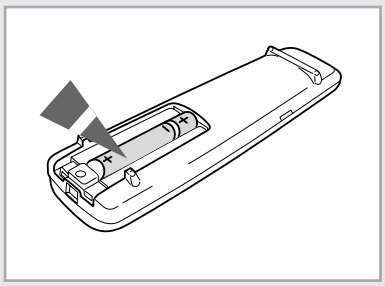
Note

- ◆ Use two AAA, LR03 1.5V batteries.
- ◆ Do not use old batteries or different kinds of batteries together.
- ◆ Batteries may be completely discharged after 12 months, even if they have not actually been used.

1 Remove the battery cover in the rear of the remote control by pushing it with your thumb.



2 Insert two batteries, respecting the polarities as indicated by the + and - symbols.



3 Close the cover by sliding it back in its place.

Getting Start

The User's Manual provides you valuable information about your air conditioner.
Please read this manual carefully before using the air conditioner.
It will help you take full advantage of the unit's features.

You have already seen the basic description of the unit on pages from 4 to 6.
Starting up with the next page, you will find a series of step-by-step procedures for each function available.

The illustrations in the step-by-step procedures use three different symbols:

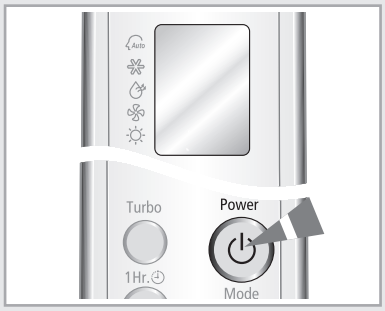
PRESS	**PUSH**	**HOLD DOWN**

Selecting the Auto Mode

You can select the Auto mode if you want to cool or heat your room automatically. You can adjust the temperature and the fan speed in this mode.

1 If necessary, press the Power button.

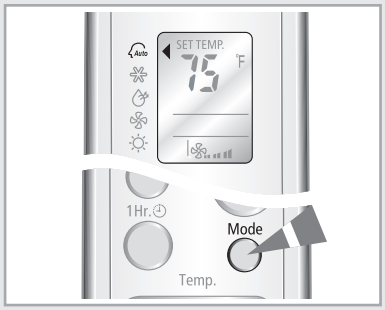
Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



2 Press the Mode button on the remote control until Auto ◀ is displayed.

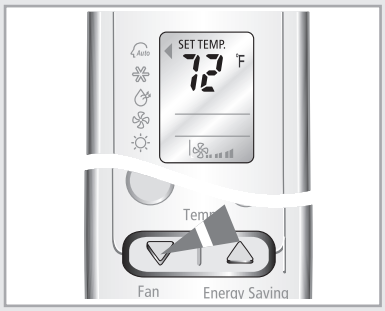
Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in the Auto mode.
- The Auto mode cools or heats the room depending on the set temperature.
- The air conditioner changes the Cool or Heat mode automatically depending on the current temperature during operation.

Note You can change modes at any time.



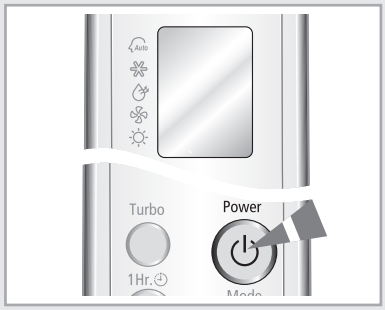
3 Press the ▽ | △ button to adjust the temperature until the required temperature is displayed.
You can set the temperature between 61°F(16°C) and 86°F(30°C).

Result: Each time you press the ▽ | △ button:
- The temperature is adjusted by 1°F
- The indoor unit beeps



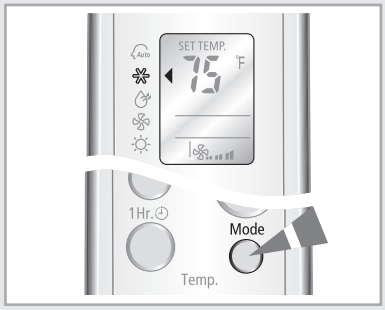
Selecting the Cool Mode

You can select the Cool mode if you want to cool your room.
You can adjust the temperature and the fan speed when cooling.



1 If necessary, press the Power button.

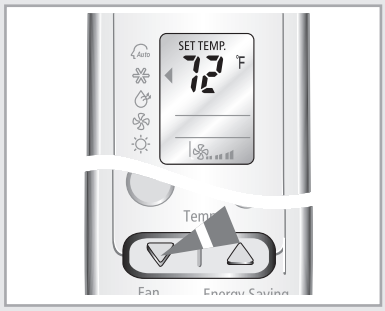
Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



2 Press the Mode button on the remote control until ◀ is displayed.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in the Cool mode.

Note You can change modes at any time.



3 Press the ▽ | △ button to adjust the temperature until the required temperature is displayed.
You can set the temperature between 61°F(16°C) and 86°F(30°C).

Result:
- Each time you press the ▽ | △ button:
  - The temperature is adjusted by 1°F
  - The indoor unit beeps
- If the room temperature is higher than the selected temperature, the air conditioner starts cooling.
- If the room temperature reaches the set temperature, the air conditioner stops cooling, but the fan operates consistently.

4 Press the Fan button to select the fan speed until the required setting is displayed.

- Automatic (rotated : → →)
- Silence mode
- Low
- Medium
- High
- Maximum

Result: Each time you press the Fan button, the indoor unit beeps.

Note Silence mode( ) makes the noise quieter during operating the indoor unit in the Cool mode.

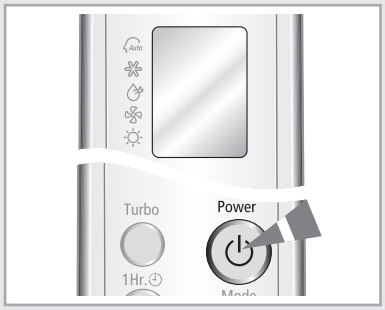
5 To control the airflow direction, refer to page 16.

Selecting the Heat Mode

You can select the Heat mode if you want to heat your room.
You can adjust the temperature and the fan speed when heating.

1 If necessary, press the Power button.

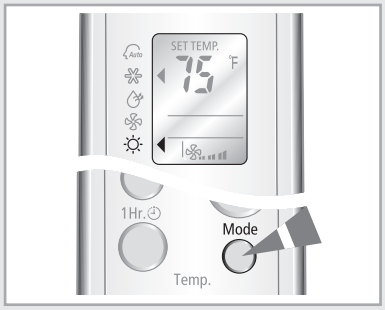
Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



2 Press the Mode button on the remote control until ☼◀ is displayed.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in the Heat mode.

Note You can change modes at any time.



3 Press the ▽ | △ button to adjust the temperature until the required temperature is displayed.
You can set the temperature between 61°F(16°C) and 86°F(30°C).

Result:
- Each time you press the ▽ | △ button:
  - The temperature is adjusted by 1°F
  - The indoor unit beeps
- If the room temperature reaches 9°F higher than the set temperature, the air conditioner stops heating, but the fan operates consistently.
- If the room temperature reaches 5°F lower than the set temperature, the air conditioner starts heating again.

4 Press the Fan button to select the fan speed until the required setting is displayed.

- Automatic (rotated : → →)
- Silence mode
- Low
- Medium
- High
- Maximum

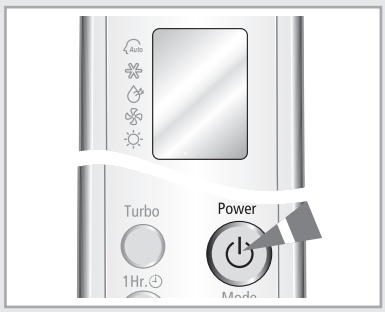
Result:
- Each time you press the Fan button, the indoor unit beeps.
- For the first 3~5 minutes, the fan may not operate to prevent the cool air from running out of the indoor unit. It helps to warm the air in your room sufficiently.

Note Silence mode() makes the noise quieter during operating the indoor unit in the Heat mode.

5 To control the airflow direction, refer to page 16.

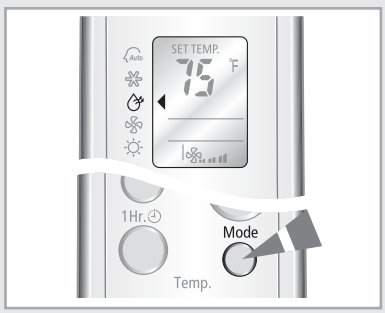
Selecting the Dry Mode

You can select the Dry mode if you want to dehumidify your room.
You can adjust the temperature in this mode.



1 If necessary, press the Power button.

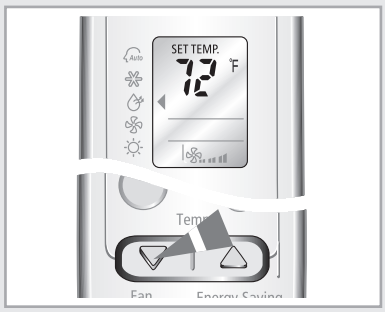
Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



2 Press the Mode button on the remote control until is displayed.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in the Dry mode.

Note You can change modes at any time.



3 Press the ▽ | △ button to adjust the temperature until the required temperature is displayed.
You can set the temperature between 61°F(16°C) and 86°F(30°C).

Result:
- Each time you press the ▽ | △ button:
  - The temperature is adjusted by 1°F
  - The indoor unit beeps
- The air conditioner starts dehumidifying and the fan speed is adjusted automatically.

4 To control the airflow direction, refer to page 16.

Selecting the Fan Mode

You can select the Fan mode if you want to ventilate your room. It helps to refresh the air in your room. You can adjust the fan speed in this mode.

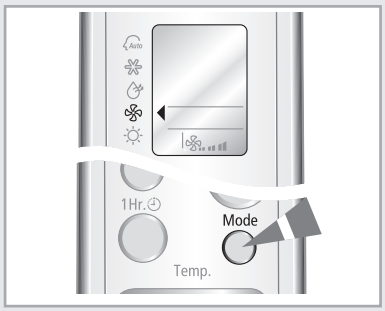
1 If necessary, press the Power button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.

2 Press the Mode button on the remote control until ◀ is displayed.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in the Fan mode.
- The temperature is set automatically.

Note You can change modes at any time.



3 Press the Fan button to select the fan speed until the required setting is displayed.

- Low
- Medium
- High

Result: Each time you press the Fan button, the indoor unit beeps.

4 To control the airflow direction, refer to page 16.

Selecting the Turbo Function

You can select the Turbo Function if you want to cool or heat your room in the fastest way. After the 30 - minute operation with the maximum setting, it returns to the previous setting.

1 If necessary, press the Power button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.

2 Press the Turbo button.

Result:
- The temperature and fan settings are adjusted automatically.
- The air conditioner cools or heats the room as quickly as possible.
- After 30 minutes, the air conditioner is reset automatically to the previous setting.
- You can select the Turbo function in the Auto, Cool and Heat mode. If you select this function in the Dry or Fan mode, the mode changes to the Auto mode.

3 Press the Turbo button again to stop the Turbo Function before the end of the 30-minute period.

Result: The air conditioner is reset automatically to the previous setting.

4 To control the airflow direction, refer to page 16.

Selecting the Energy Saving Function

You can select the Energy Saving Function to save energy when cooling or heating.

1 If necessary, press the Power button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.

2 Press the Energy Saving button.

Result:
- The indoor unit beeps.
- The air conditioner runs in the Energy saving mode.
- The outer airflow blade moves up and down.
- To stop the Energy saving mode, press the Energy Saving again.

Note You can select the Energy saving mode only in the Cool and Heat mode.

3 Press the ▽ | △ button to adjust the temperature until the required temperature is displayed.

4 Press the Fan button to select the fan speed until the required setting is displayed.

5 To control the airflow direction, refer to page 16.

Adjusting the Airflow Direction Vertically

You can adjust the airflow direction vertically. The outer airflow blade moves up and down to increase the efficiency of the cooling or heating operation.

1 Press the FLAP button until the required direction is set.
Result: The outer blade is adjusted vertically.

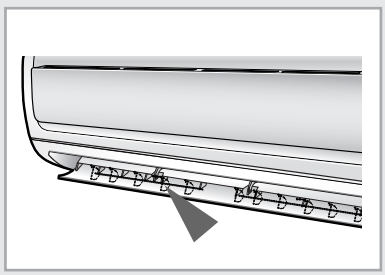
2 Press the FLAP button to move the blade up and down automatically during operation.

3 Press the FLAP button again to stop the blade moving up and down.

Note

If you turn the air conditioner...	***Then the blade...***
off	is closed completely.
on	set to the default position.

Adjusting the Airflow Direction Horizontally



You can adjust the airflow direction horizontally with your hands. The inner blades with small fins moves the air to the required direction.

1 Adjust the inner blades by moving them to left or right.

Setting the 1 Hour Timer

You can set the 1 Hour Timer to turn off the air conditioner automatically after an hour. It is the quick and convenient way using only one button.

1 Press the 1Hr. button until the 1HR. indicator appears on the remote control.

Result:
- ◆ The operation indicator on the indoor unit lights up.
- ◆ The air conditioner turns off after an hour automatically.

2 Press the Mode button until the desired mode is displayed at the remote control to select the mode after setting the 1 Hour Timer.

Result: The air conditioner operates in the selected mode for an hour.

Note If you set the 1 Hour Timer when the air conditioner is turned off, the air conditioner turns on and operates for an hour.

To cancel the 1 Hour Timer

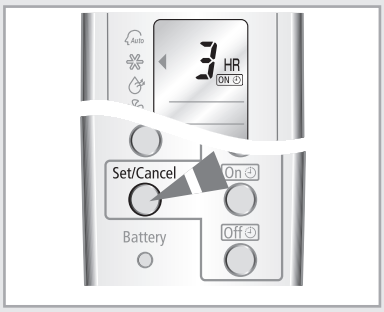
Press the 1Hr. button to cancel the 1 Hour Timer.

Result:
- ◆ The indoor unit beeps.
- ◆ The 1HR. indicator is no longer displayed.
- ◆ The air conditioner operates normally.

Setting the On Timer

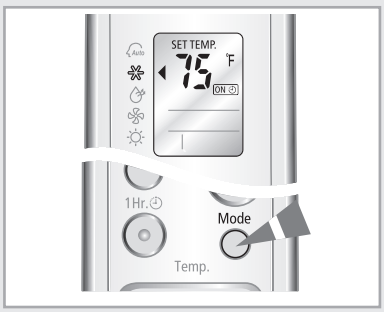
You can set the On Timer to turn on the air conditioner automatically at the appointed time. You can set the time from 1 hour to 24 hours.

1 Press the ON button until the required time is displayed to set the On Timer. You can set the time between 1 hour and 24 hours.



2 Press the Set/Cancel button to complete the setting.

Result:
- The remaining time is displayed.
- The timer indicator stops blinking.
- The selected mode and the temperature on the display disappear after 10 seconds.
- The air conditioner turns on automatically at the appointed time and the On Timer setting disappears.

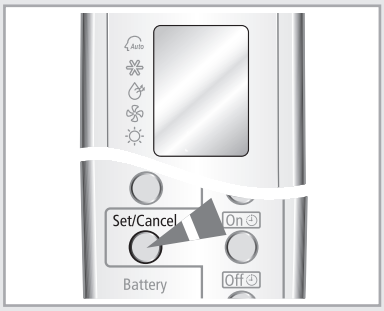


3 Press the Mode button until the desired mode is displayed at the top of the remote control to select the mode in advance.

Result: The air conditioner operates in the selected mode when it is turned on.

Note If you don't use the remote control after setting the On Timer, it turns off automatically after 25 hours.

To Cancel the On Timer



Press the Set/Cancel button to cancel the On Timer.

Note If you press the Set/Cancel button, both the On Timer and the Off Timer are canceled.

Setting the Off Timer

You can set the Off Timer to turn off the air conditioner automatically at the appointed time. You can set the time from 1 hour to 24 hours.

1 Press the OFF button until the required time is displayed to set the Off Timer. You can set the time between 1 hour and 24 hours.

2 Press the Set/Cancel button to complete the setting.

Result:
- The remaining time is displayed.
- The timer indicator stops blinking.
- The air conditioner turns off automatically at the appointed time and the Off Timer setting disappears.

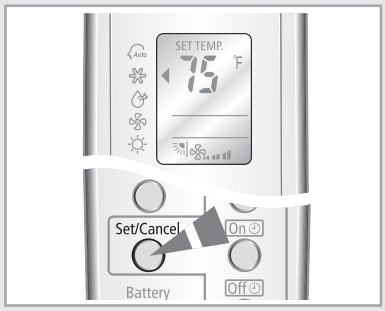
Example If you would like to turn the air conditioner on after 2 hours and to operate it for 2 hours:
1. Press the ON button until '2 Hr' is displayed.
2. Press the Set/Cancel button.
3. Press the OFF button until '4 Hr' is displayed.
4. Press the Set/Cancel button.

Note You can check or change the mode and/or the temperature by pressing the Mode button or the ▽ | △ button after setting the Off Timer.

To Cancel the Off Timer

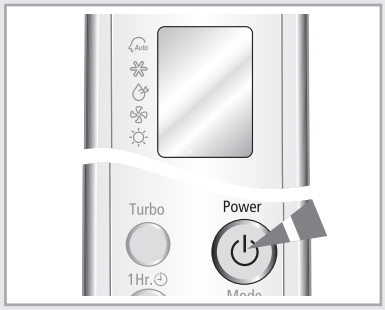
Press the Set/Cancel button to cancel the Off Timer.

Note If you press the Set/Cancel button, both the On Timer and the Off Timer are canceled.



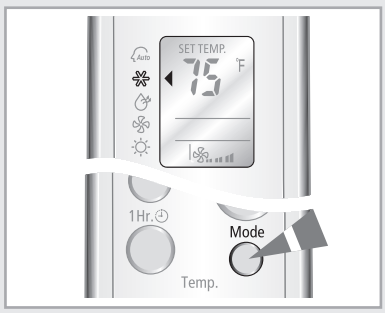
Selecting Good Sleep Mode

Good Sleep mode helps users to fall asleep well after going to bed whether being too hot to sleep or being awakened by coldness. The Good Sleep mode can be selected only when the air conditioner is switched on in cool/heat mode.



1 If necessary, press the Power button.

Result:
- The operation indicator on the indoor unit lights up.
- The air conditioner starts up in the mode you selected last.
- The indoor unit beeps.



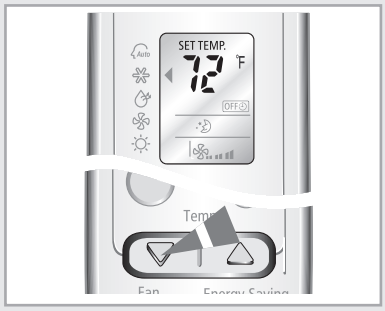
2 Press the Mode button to select ◀ or ◀ mode.

Result:
- The indoor unit beeps each time you press the Mode button.
- The air conditioner runs in cool or heat mode.

3 Press the good'sleep button until the indicator appears on the remote control.

- In the case of adjusting time
  - Press the good'sleep button to adjust desired operation time from 1 to 12 hours. Good Sleep mode will automatically stop after the set time.
  - Press the Set/Cancel button.

Result: In the case of adjusting the extra time for Good Sleep mode,you should press the Set/Cancel button within 10 seconds.If you do not press the Set/Cancel button within 10 seconds.Good Sleep mode will automatically stop in 8-hour operation.



4 Press the ▽ | △ button to adjust the temperature until the required temperature is displayed.
You can set the temperature between 61°F(16°C) and 86°F(30°C).

Result:
- Each time you press the ▽ | △ button:
  - The temperature is adjusted by 1°F
  - The indoor unit beeps

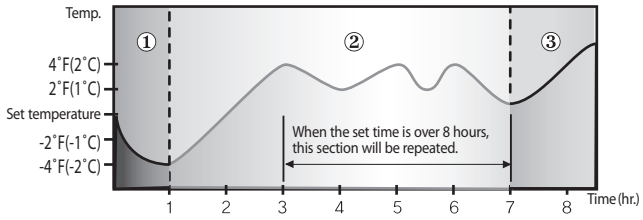
In cool mode

Good Sleep mode keeps the skin temperature at the best during the 3 stages such as, Falling Asleep Stage ➟ Sound Sleep Stage ➟ Wake Up Stage in order.

① **Falling Asleep Stage :**
This stage supports the environment to quickly cool down. Together with comfortable intermittent air, you will be able to fall asleep quickly.

② **Sound Sleep Stage :**
This stage helps users to take deep sleep and keep the healthy skin by controlling wavy temperature control and insensible air stream.

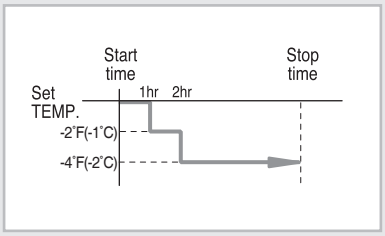
③ **Wake Up Stage :**
This stage supports comfortable intermittent air to the room to raise human body temperature for refreshing wake up.



- ▶ The recommended temperature is set between 77°F(25°C) and 81°F(27°C), and 79°F(26°C) is the most ideal temperature for comfortable sleep.
- ▶ Airflow blades and fan speed are controlled automatically as the above 3 stages in Good Sleep mode.
- ▶ Set Off timer in Good Sleep mode over 5 hours. You feel disturbed sleep if the Good Sleep is set too short or long because the basic off timer is set for 8 hours.
- ▶ If the Good Sleep mode is set less than 4 hours, the operation will be stopped after the set time. If the Good Sleep mode is set over 5 hours, it will run as Wake Up stage for the last one hour before stop.

In heat mode

- ▶ The temperature decreases by 2°F(1°C) every hour. After a decrease of 4°F(2°C), the temperature is maintained.
- ▶ You can set the airflow blades and fan speed separately during Good Sleep mode.



Operating Recommendations

Here are a few recommendations that you should follow when using your air conditioner.

Topic	Recommendation
Heating performances	The heat pump function of the air conditioner absorbs heat from outside air and brings it indoors. As the temperature of the outside air drops, the heating performance of air conditioner will decrease. If you find that the room is not warm enough, using an additional heating appliance is recommended.
Warm air circulation	The air conditioner circulates warm air to heat your room. It will take some time to warm the air in your room entirely after the air conditioner turns on. Therefore, turn the air conditioner on in advance.
Frost	When outdoor temperature is low but humidity is high, frost may form on the outdoor unit at Heat mode. ◆ The heating operation stops. ◆ The defrost mode will be triggered automatically for 3 to 14 minutes. No intervention is required ; after about 7 minutes, the air conditioner operates again normally.
High indoor and outdoor temperatures	If both indoor and outdoor temperatures are high and the air conditioner is running at HEAT mode, the outdoor unit's fan and compressor may stop at times. This is normal;simply wait until the air conditioner switches on again.
Power failure	If a power failure occurs while the air conditioner is operating, the unit will be switched off. When the power returns, the air conditioner starts up again automatically.
Protection mechanism	When the air conditioner is started immediately after being plugged in or stopped, the normal operation starts up after 3 minutes for the reason of protection.
Cooling operation	The indoor unit may not get the selected fan speed such as Medium and Low under cooling operation at very low outdoor temperatures for the protection of the indoor unit from ice or frost. During Low fan speed operation, cooling performance will be reduced. If the room does not be cooled down when using Low fan speed operation, please adjust the indoor unit's fan speed.
Silence Mode	When you operate Silence Mode in cooling and heating, fan speed will decrease to make noise quieter. As a result, the performance of the unit may be reduced.

Temperature and Humidity Ranges

If you check the following tables, you can use your air conditioner more efficiently.

If the air conditioner is used at...	Then...
Heating capacity	The air conditioner may stop operating for the reason of protection.
Low temperatures	Water may leak and some malfunction may occur if the heat exchanger freezes.
Protection mechanism	Water may condense and drip from the surface of the indoor unit if you don't use the air conditioner for an extended period of time.

Operation	Outdoor Temperature	Indoor Temperature	Indoor Humidity
Heating	5°F to 75°F approx.	80°F or less	-
	-15°C to 24°C approx.	27°C or less	
Cooling	14°F to 109°F approx.	61°F to 90°F approx.	80% or less
	-10°C to 43°C approx.	16°C to 32°C approx.	
Dehumidifying	14°F to 109°F approx.	61°F to 90°F approx.	-
	-10°C to 43°C approx.	16°C to 32°C approx.	

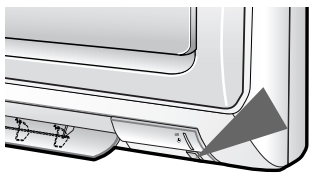
✳ ***If the outdoor temperature is as low as 32°F/0°C, the heating capacity drops up to 70~80% depending on the operating condition.***
If you use the air conditioner in temperatures over 90°F/32°C (indoor temperature), the cooling capacity may drop.

Operating Your Air Conditioner Without the Remote Control

You can operate your air conditioner directly without the remote control.

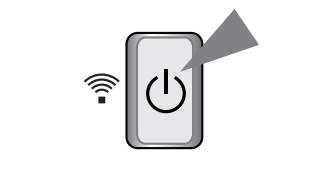
1 To turn the air conditioner on, press the On/Off button on the right side of the indoor unit.

Result:
- The Operation indicator on the indoor unit lights up.
- The indoor unit beeps.
- The air conditioner starts up in the appropriate mode for the room temperature. The air conditioner changes the Cool or Heat mode automatically depending on the current temperature during operation.



2 To turn the air conditioner off, press the On/Off button again.

Note Even if you turned the air conditioner on with the On/Off button, you can control it with the remote control.



Troubleshooting Guide

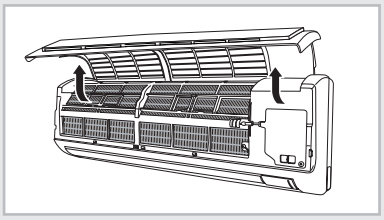
Before contacting the after-sales service, perform the following simple checks.
They may save you the time and expense of an unnecessary call.

Problem	Explanation/Solution
The air conditioner does not operate at all.	◆ Check if power is on and operate the air conditioner again. ◆ Check if the circuit breaker is switched off. ◆ Check if Off Timer is set.
The temperature is not adjusted.	◆ Check if you selected the Fan mode.
The air conditioner does not operate in the HEAT mode.	◆ Check if the air conditioner is cooling only model. ◆ Check if the remote control is for cooling only model.
The cool(warm) air does not come out from the air conditioner.	◆ Check if set temperature higher(lower) than current temperature. ◆ Check if you selected the Fan mode. Select the Cool, Heat, Auto or Dry mode. ◆ Check if the air filter is blocked by dirt. Clean the air filter regularly. ◆ Check if the there is cover on the outdoor unit or any obstacle. Remove the cover or obstacle. ◆ Check if you installed the air conditioner under direct sunlight. ◆ The window or door may be opened. ◆ Check if you turn on the air conditioner just now. It takes about 3 minutes to cool or heat the room. ◆ Check if the drain pipe is too long.
The fan speed is not adjusted.	◆ In Dry mode, the fan speed is selected automatically.
The remote control does not operate.	◆ Check if the battery is discharged. Replace the battery. ◆ Check if the remote control sensor is blocked. ◆ Check if the air conditioner is placed near strong light.
The Timer is not set.	◆ Check if you pressed the Set/Cancel button after selecting time.
Odor is permeated in the room during operation.	◆ Check if you use the air conditioner in smoky area or there is a smell. Ventilate the room or select the Fan mode for 1~2 hours.
The indoor unit indicator flashes.	◆ Press the Power button to turn on the air conditioner again. Switch the circuit breaker off and switch on it again.
Strange sound is heard from the air conditioner.	◆ The sound is heard when the refrigerant gas flow is changed depending on the use of the air conditioner. ◆ When you press the Power button, noise may be heard that the air conditioner sense the airflow blade.
Water drops from the outdoor unit connection part.	◆ Water may form due to the difference of the temperature.

Cleaning Your Air Conditioner

To get the best possible use out of your air conditioner, you must clean it regularly to remove the dust that accumulates on the air filter.

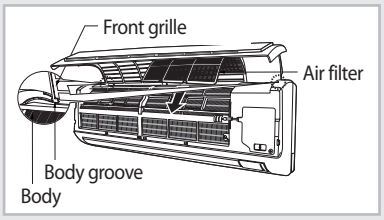
IMPORTANT **Before cleaning your air conditioner, ensure that you have switched off the breaker used for the unit.**



1 Open the upper front grille by pulling the lower right and left tabs of the grille.

2 Pull air filters out of each tab of the grille.

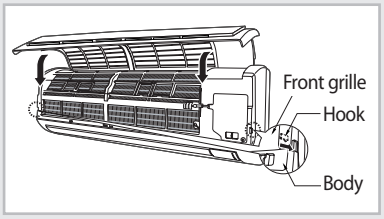
3 Remove all dust on the air filters with a vacuum cleaner or brush.



4 When you finished, insert air filters by fixing it to each tab of the grille.

5 To close the front grille, fix it to hooks and push down the lower right and left tabs of the grille.

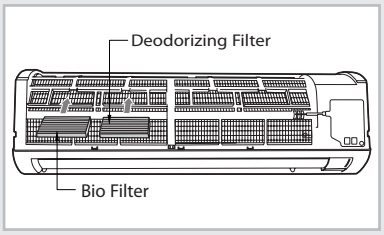
6 Clean the front grille with a damp cloth and mild detergent (do NOT use benzene, solvents or other chemicals).



Note ***If you have not used the air conditioner for a long period of time, set the fan going for three to four hours to dry the inside of the air conditioner thoroughly.***

Cleaning Deodorizing and Bio filter (Option)

To remove minute dust particles and odors, deodorizing and Bio filter are installed in the air conditioner. You should clean the filters every 3 months.



1 Open the upper front grille by pulling the lower right and left tabs of the grille.

2 Pull out the deodorizing and Bio filter.

3 Wash the filters with clean water, then dry them in the shade.

4 Insert the filters into the original position.

Note You can change the position of filters with each other.

5 Close the front grille.

ELECTRONICS

If you have any comments or questions regarding Samsung products, contact the SAMSUNG customer care center.

Samsung Electronics America, Inc.
1-800-SAMSUNG (7267864)
www.samsung.com